RAW SEQUENCE LISTING
PATENT APPLICATION *US/10/008,960*

DATE: 12/10/2002
TIME: 10:27:50

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This Raw Listing contains the General Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: BAYLOR COLLEGE OF MEDICINE
SMITH, JAMES R.
DRUTZ, DAVID J.
WILSON, DEBORAH R.
ZUMSTEIN, LOUIS A.

(ii) TITLE OF INVENTION: SENESCENT CELL DERIVED INHIBITORS OF DNA SYNTHESIS

(iii) NUMBER OF SEQUENCES: 36

(iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: ROGERS & WELLS
(B) STREET: 200 PARK AVENUE
(C) CITY: NEW YORK
(D) STATE: NEW YORK
(E) COUNTRY: USA
(F) ZIP: 10166

(v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

(vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER:10/008,960
(B) FILING DATE: 07-DEC-2001
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER:US/08/327,874
(B) FILING DATE:

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US 07/808,523
(B) FILING DATE: 16-DEC-1991

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 07/970,462
(B) FILING DATE: 02-NOV-1992

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US 08/113,372
(B) FILING DATE: 30-AUG-1993

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US 08/153,564
(B) FILING DATE: 17-NOV-1993

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US 08/203,535
(B) FILING DATE: 25-FEB-1994

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US 08/229,420
(B) FILING DATE: 15-APR-1994

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US 08/274,535
(B) FILING DATE: 13-JUL-1994

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: PCT US94/09700
(B) FILING DATE: 26-AUG-1994

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: 08/327,874
(B) FILING DATE: 24-OCT-1994

(viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: NORTON, GERARD P.
(B) REGISTRATION NUMBER: 36,621
(C) REFERENCE/DOCKET NUMBER: 3634-8-CIP10

(ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: (212) 878-3148
(B) TELEFAX: (212) 878-8375

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 2106 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(vi) ORIGINAL SOURCE:
(A) ORGANISM: Homo sapiens
(G) CELL TYPE: SENESCENT HUMAN CELLS

(vii) IMMEDIATE SOURCE:
(A) LIBRARY: SENESCENT CELL DERIVED CDNA LIBRARY
(B) CLONE: SDI-1

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

CCTGCCGAAG TCAGTTCCTT GTGGAGCCGG AGCTGGGCGC GGATTCGCCG AGGCACCGAG 60
GCACTCAGAG GAGGCGCCAT GTCAGAACCG GCTGGGGATG TCCGTCAGAA CCCATGCGGC 120
AGCAAGGCCT GCCGCCGCCT CTTCGGCCCA GTGGACAGCG AGCAGCTGAG CCGCGACTGT 180
GATGCGCTAA TGGCGGGCTG CATCCAGGAG GCCCGTGAGC GATGGAACTT CGACTTTGTC 240
ACCGAGACAC CACTGGAGGG TGACTTCGCC TGGGAGCGTG TGCGGGGCCT TGGCCTGCCC 300
AAGCTCTACC TTCCCACGGG GCCCCGGCGA GGCCGGGATG AGTTGGGAGG AGGCAGGCGG 360
CCTGGCACCT CACCTGCTCT GCTGCAGGGG ACAGCAGAGG AAGACCATGT GGACCTGTCA 420
CTGTCTTGTA CCCTTGTGCC TCGCTCAGGG GAGCAGGCTG AAGGGTCCCC AGGTGGACCT 480
GGAGACTCTC AGGGTCGAAA ACGGCGGCAG ACCAGCATGA CAGATTTCTA CCACTCCAAA 540
CGCCGGCTGA TCTTCTCCAA GAGGAAGCCC TAATCCGCCC ACAGGAAGCC TGCAGTCCTG 600
GAAGCGCGAG GGCCTCAAAG GCCCGCTCTA CATCTTCTGC CTTAGTCTCA GTTTGTGTGT 660
CTTAATTATT ATTTGTGTTT TAATTTAAAC ACCTCCTCAT GTACATACCC TGGCCGCCCC 720
CTGCCCCCCA GCCTCTGGCA TTAGAATTAT TTAAACAAAA ACTAGGCGGT TGAATGAGAG 780
GTTCCTAAGA GTGCTGGGCA TTTTTATTTT ATGAAATACT ATTTAAAGCC TCCTCATCCC 840
GTGTTCTCCT TTTCCTCTCT CCCGGAGGTT GGGTGGGCCG GCTTCATGCC AGCTACTTCC 900
TCCTCCCCAC TTGTCCGCTG GGTGGTACCC TCTGGAGGGG TGTGGCTCCT TCCCATCGCT 960
GTCACAGGCG GTTATGAAAT TCACCCCCTT TCCTGGACAC TCAGACCTGA ATTCTTTTTC 1020
ATTTGAGAAG TAAACAGATG GCACTTTGAA GGGGCCTCAC CGAGTGGGGG CATCATCAAA 1080
AACTTTGGAG TCCCCTCACC TCCTCTAAGG TTGGGCAGGG TGACCCTGAA GTGAGCACAG 1140
CCTAGGGCTG AGCTGGGGAC CTGGTACCCT CCTGGCTCTT GATACCCCCC TCTGTCTTGT 1200
GAAGGCAGGG GGAAGGTGGG GTCCTGGAGC AGACCACCCC GCCTGCCCTC ATGGCCCCTC 1260
TGACCTGCAC TGGGGAGCCC GTCTCAGTGT TGAGCCTTTT CCCTCTTTGG CTCCCCTGTA 1320
CCTTTTGAGG AGCCCCAGCT ACCCTTCTTC TCCAGCTGGG CTCTGCAATT CCCCTCTGCT 1380
GCTGTCCCTC CCCCTTGTCC TTTCCCTTCA GTACCCTCTC AGCTCCAGGT GGCTCTGAGG 1440
TGCCTGTCCC ACCCCCACCC CCAGCTCAAT GGACTGGAAG GGGAAGGGAC ACACAAGAAG 1500
AAGGGCACCC TAGTTCTACC TCAGGCAGCT CAAGCAGCGA CCGCCCCCTC CTCTAGCTGT 1560
GGGGGTGAGG GTCCCATGTG GTGGCACAGG CCCCCTTGAG TGGGGTTATC TCTGTGTTAG 1620
GGGTATATGA TGGGGGAGTA GATCTTTCTA GGAGGGAGAC ACTGGCCCCT CAAATCGTCC 1680
AGCGACCTTC CTCATCCACC CCATCCCTCC CCAGTTCATT GCACTTTGAT TAGCAGCGGA 1740
ACAAGGAGTC AGACATTTTA AGATGGTGGC AGTAGAGGCT ATGGACAGGG CATGCCACGT 1800
GGGCTCATAT GGGGCTGGGA GTAGTTGTCT TTCCTGGCAC TAACGTTGAG CCCCTGGAGG 1860
CACTGAAGTG CTTAGTGTAC TTGGAGTATT GGGGTCTGAC CCCAAACACC TTCCAGCTCC 1920
TGTAACATAC TGGCCTGGAC TGTTTTCTCT CGGCTCCCCA TGTGTCCTGG TTCCCGTTTC 1980
TCCACCTAGA TTGTAAACCT CTTGAGGGCA GGGACTAGAC TTGTACTGT TCTGTGTCTT 2040
TCACAGCTCC TCCCACAATG CTGATATACA GCAGGTGCTC AATAAACGAT TCTTAGTGAA 2100
AAAAAA 2106

(2) INFORMATION FOR SEQ ID NO:2:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 164 amino acids
(B) TYPE: amino acid
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(vi) ORIGINAL SOURCE:
(A) ORGANISM: HOMO SAPIENS
(B) STRAIN: SDI-1

(vii) IMMEDIATE SOURCE:
(A) LIBRARY: Senescent cell derived cDNA library

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

```
Met Ser Glu Pro Ala Gly Asp Val Arg Gln Asn Pro Cys Gly Ser Lys
1               5                  10                  15
Ala Cys Arg Arg Leu Phe Gly Pro Val Asp Ser Glu Gln Leu Ser Arg
            20                  25                  30
Asp Cys Asp Ala Leu Met Ala Gly Cys Ile Gln Glu Ala Arg Glu Arg
        35                  40                  45
Trp Asn Phe Asp Phe Val Thr Glu Thr Pro Leu Glu Gly Asp Phe Ala
    50                  55                  60
Trp Glu Arg Val Arg Gly Leu Gly Leu Pro Lys Leu Tyr Leu Pro Thr
65                  70                  75                  80
Gly Pro Arg Arg Gly Arg Asp Glu Leu Gly Gly Gly Arg Arg Pro Gly
                85                  90                  95
Thr Ser Pro Ala Leu Leu Gln Gly Thr Ala Glu Glu Asp His Val Asp
            100                 105                 110
Leu Ser Leu Ser Cys Thr Leu Val Pro Arg Ser Gly Glu Gln Ala Glu
        115                 120                 125
Gly Ser Pro Gly Gly Pro Gly Asp Ser Gln Gly Arg Lys Arg Arg Gln
    130                 135                 140
Thr Ser Met Thr Asp Phe Tyr His Ser Lys Arg Arg Leu Ile Phe Ser
145                 150                 155                 160
Lys Arg Lys Pro
```

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 19 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: YES

(vi) ORIGINAL SOURCE:

(A) ORGANISM: HOMO SAPIENS

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

AGCCGGTTCT GACATGGCG 19

(2) INFORMATION FOR SEQ ID NO:4:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 12 amino acids
(B) TYPE: amino acid
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: NO

(v) FRAGMENT TYPE: N-terminal

(vii) IMMEDIATE SOURCE:
(B) CLONE: [His]6 leader peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Met Arg Gly Ser His His His His His His Gly Ala
1 5 10

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 699 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(vi) ORIGINAL SOURCE:
(A) ORGANISM: Schistosoma japonicum

(vii) IMMEDIATE SOURCE:
(B) CLONE: GST

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

ATGTCCCCTA TACTAGGTTA TTGGAAAATT AAGGGCCTTG TGCAACCCAC TCGACTTCTT 60
TTGGAATATC TTGAAGAAAA ATATGAAGAG CATTTGTATG AGCGCGATGA AGGTGATAAA 120
TGGCGAAACA AAAAGTTTGA ATTGGGTTTG GAGTTTCCCA ATCTTCCTTA TTATATTGAT 180
GGTGATGTTA AATTAACACA GTCTATGGCC ATCATACGTT ATATAGCTGA CAAGCACAAC 240
ATGTTGGGTG GTTGTCCAAA AGAGCGTGCA GAGATTTCAA TGCTTGAAGG AGCGGTTTTG 300

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION *US/10/008,960*

DATE: 12/10/2002
TIME: 10:27:51

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SEQUENCE MISSING ITEM REPORT
PATENT APPLICATION *US/10/008,960*

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PRIOR APPLICATION DATA More Identifiers Found Than MAX Allowed

SEQUENCE CORRECTION REPORT
PATENT APPLICATION *US/10/008,960*

DATE: 12/10/2002
TIME: 10:27:51

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